Anastasia Iskaliyeva

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Data Scientist and Economist with 7+ years of experience in **predictive analytics,** data analysis, and macroeconomic research, skilled in **Python, R, SQL, Tableau**, and passionate about applying **advanced statistics** and **machine learning** to real-world challenges

Education

Master of Data Science	University of California, Irvine, CA, USA
Master of Economics	Lomonosov Moscow State University, Moscow, Russia
Bachelor of Economics	Lomonosov Moscow State University, Moscow, Russia

Experience

R&D Data Science Intern at Ormco, 2025-present, Brea CA
- Build predictive machine learning model to forecast refinements, supporting data-driven planning across R&D and Manufacturing
- Prepare and optimize large datasets in Amazon Redshift using SQL/Postgres, integrating data from multiple sources for executive reporting and machine learning model development

Research-Analyst at National Analytical Center *(under the Government of Kazakhstan),* 2015 - 2020
- Conducted data-driven analysis to identify strategic development approaches for key industries within the Kazakhstan economy (publication)
- Developed data-backed recommendations for policymakers on long-term socio-economic development,
- Applied global value chains framework to perform quantitative analysis of Kazakhstan's wheat industry, providing actionable insights for business support measures (publication)

Projects

🎵 **Piano Fingering Prediction using Machine Learning** GitHub Repo
- Designed and implemented a machine learning modelto predict optimal piano fingering from sheet music XML
- Preprocessed musical data and built probabilistic models using hmmlearn; visualized predictions and evaluated accuracy

📈 **Economic Growth Modeling with External Debt** GitHub Repo
- Built an ARIMAX time series model in Python to analyze how external debt affects GDP across countries using World Bank data
- Replicated and extended IMF research to assess policy implications through data-driven forecasting

Certifications and Trainings

- Certified Tableau Desktop Specialist, 2024
- Database Management and SQL, IVC, 2023
- Python Programming, IVC, 2019